ABSTRACT OF THE DISCLOSURE

A tetragonal prism having a rectangular cross section is attached, as a linear motor movable section, to a moving plate to which a screw is attached rotatably and also immovably in an axial direction. A magnet is attached to each surface of the movable section. A hole section is provided in an outer frame. A linear motor coil is provided on the linear motor fixed section so that it may face the magnet on the surface of the movable section. A screw shaft is rotated by a motor through a measuring shaft penetrating a center of the movable section. By driving the linear motor comprising the magnet and the coil corresponding to each other, the screw is moved and injected in an axial direction. The fixed section is detachable and a gap between the magnet and the coil can be easily adjusted.